P FISTOR PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

		0001 1 01 1				
ATTY. DOCKET NO. 37851-922	SERIAL NO. 10/658,834 7681					
APPLICANT GANTIER et al.	CUSTOMER I 24961	NO				
FILING DATE September 8, 2003	GROUP 1644					

The standards is placed beside the reference number, a copy is NOT provided because the reference was previously cited by or submitted to the PTO in a prior application that is identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120. 37 C.F.R. § 1.98(d).

\*\* If an asterisk is placed beside the reference number, a copy is NOT provided because pursuant to the USPTO's variety from the 37 CFR 158(e)(2)(f) requirement for submitting a copy of each clied U.S. patient and each USP. splant application publication for all USP. assistance placed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. Set 37 CFR 1491(b).

#### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code		D	OCUM	ENT N	NUMBI	ER		DATE	NAME	CLASS	SUB CLASS	FILING DATE
/EGS/	Α	0	1	2	9	2	0	3	07/10/03	Vega et al.	424	233.1	12/17/01
	В	0	1	2	9	5	8	4	07/10/03	Vega	435	5	12/13/00
	С	0	1	3	4	3	5	1	07/17/03	Vega et al.	435	69.1	12/17/01
	D	0	1	7	5	6	9	4	09/18/03	Vega	435	5	05/04/01
	E	3	2	2	4	4	0	4	12/04/03	Vega et al.	435	6	02/24/03
	F	4	0	4	4	1	2	6	08/23/77	Cook et al.	424	243	07/09/76
	G	4	3	6	4	9	2	3	12/21/82	Cook et al.	424	46	04/30/81
	н	4	4	1	4	2	0	9	11/08/83	Cook et al.	424	243	06/13/77
$\overline{\mathbf{V}}$	1	4	5	2	2	8	1	1	06/11/85	Eppstein et al.	514	2	07/08/82

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code		DOCUMENT NUMBER			DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No			
/EGS/	J	0	1	3	2	7	1	1	A2 05/10/01	PCT			
	К	0	1	4	4	8	0	9	A2 06/21/01	PCT			
	L	0	1	8	6	2	9	1	A1 11/15/01	PCT			
	м	03	0	2	3	0	3	2	A2 03/20/03	PCT			
	N	03	٥	1	8	8	2	0	A2 03/06/03	РСТ			
$\nabla$	0	2	8	0	2	6	4	5	A1 06/22/01	FR /			X+

EXAMINER /Elly Gerald Stoica/

DATE CONSIDERED 03/15/2007

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

P ESTOF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

		Officer 2 of 7				
ATTY. DOCKET NO. 37851-922	SERIAL NO. 10/658,834 CONFIRM NO. 7681					
APPLICANT GANTIER et al.	CUSTOMER N 24961	10.				
FILING DATE September 8, 2003	GROUP 1644					

3,41 an asset is placed beside the reference number, a copy is NOT provided because the reference was previously cited by or submitted to the PTO in a prior application that is identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120. 37 C.F.R. § 1.98(d).

\*\* If an asterisk is placed beside the reference number, a copy is NOT provided because pursuant to the USPTO's where from the 37 CFR 1868(2)(3) requirement for submitting a copy of each cited U.S. patient and each U.S. patient applications publication for a national patient applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 203. Sea 37 CFR 149(16).

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code		DC	СС	NT N	UMBE	R		DATE	COUNTRY	CLASS	SUB CLASS	Trans Yes	lation No
-/EGS/	Р	2	8	0	8	8	0	4	A1 11/16/01	FR				X+

X + - An English Language Equivalent is provided.

# OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/EGS/	۵	Bellido et et., "The phospholipid and fatty acid composition of skeletal muscle cells during culture in the presence of vitamin D-3 metabolites," Biochim Biophys Acta, 922(2):162-169 (1987)
	R	Biron et al., "Natural Killer Cells In Antiviral Defenses: Function and Regulation by Innate Cytokines," Annu. Rev. Immunol., <u>17</u> :189-220 (1999)
	s	Boger et al., "Surface Probability Profiles. A Heuristic Approach to the Selection of Synthetic Peptide Antigens," <i>Reports of the Sixth International Congress in Immunology</i> , p. 250 (1986)
	Т	Briand et al., "Impact of the lysine-188 and aspartic acid-189 inversion on activity of trypsin," FEBS Lett., 442(1):43-47 (1999)
	U	Dayhoff et al., "A Model of Evolutionary Change in Proteins," Atlas of Protein Sequence and Structure, 5(3):345-352 (1978)
	V	Diaz et al., "Nomenclature of the Human Interferon Genes," J. Interferon Cytokine Res., 16:179-180 (1996)
	w	Drittanti et al., "Effects of 1,25-dihydroxyvitamin D-3 on phospholipid metabolism in chick myoblasts, Biochim Biophys Acta., 962(1):1-7 (1988)
$\overline{\mathbf{V}}$	×	Drittanti et el., "Changes in muscle lipid metabolism induced in vitro by 1,25- dihydroxy-vitamin D-3, Biochim Biophys Acta, 918(1):83-92 (1987)

EXAMINER	/Elly Geraid Stoica/	DATE CONSIDERED	03/15/2007
EXAMINER:	Initial if citation considered, w	vhether or not citation is in conform	nance with MPEP 609; Draw

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

P ESTOP PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

		0.100.007		
ATTY. DOCKET NO. 37851-922	SERIAL NO. 10/658,834 CONFIRM NO. 7681			
APPLICANT GANTIER et al.	CUSTOMER N 24961	10.		
FILING DATE September 8, 2003	GROUP 1644			

An an analysisk is placed beside the reference number, a copy is NOT provided because the reference was previously cited by or submitted to the PTO in a prior application that is identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120. 37 C.F.R. § 1.98(d).

\*\* If an askerisk is placed beside the reference number, a copy is NOT provided because pursuant to the USPTO's waver from the 37 CFR 186(a)(2)(in requirement for submitting a copy of each cited U.S. patient and each U.S. patient application publication for all U.S. national patient applications filled after June 30, 2003 and for all International applications that have entered the national stage under 35 USC 371 after June 30, 2003. Sea 37 CFR 1491(b).

# OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/EGS/	Y	Drittanti et al., "Involvement of the 3',5'-cyclic AMP pathway in the induction of calmodulin synthesis in myoblasts by 1,25(OH)2-vitamin D3," Biochim Biophys Res Commun., 192(2):886-892 (1993)
	z	Drittenti et al., "Modulation of DNA synthesis in cultured muscle cells by 1,25-dihydroxyvitamin D-3," Biochim Biophys Acte., 1014(2):112-119 (1989)
	AA	Drittanti et al., "Stimulation of calmodulin synthesis in proliferating myoblasts by 1,25-dihydroxy-vitamin D3," Mol Cell Endocrinol., 74(2):143-153 (1990)
	АВ	Drittanti et al., "Optimised helper virus-free production of high-quality adeno- associated virus vectors," J Gene Med., 3(1):59-71 (2001)
	AC	Drittanti et al., "Cystic fibrosis: gene therapy or preventive gene transfer?" Gene Ther., 4(10):1001-1003 (1997)
	AD	Drittanti et al., "High throughput production, screening and analysis of adeno- associated viral vectors," <i>Gene Ther.</i> , 7(11):924-929 (2000)
	AE	Du et al., "Efficient transduction of human neurons with an adeno-associated virus vector," Gene Ther 3:254-261 (1996)
	AF	Feng et al., Aligning Amino Acid Sequences: Comparison of Commonly Used Methods," J. Mol. Evol., 21:112-125 (1985)
	AG	Fitch, "An Improved Method of Testing for Evolutionary Homology," J. Mol. Evol., 16(1):9-16 (1966)
	АН	Gibrat et al., "Surprising similarities in structure comparison," Current Opinion in Structural Biology, 6:377-385 (1995)
	AI	Gonnet et al., "Exhaustive Matching of the Entire Protein Sequence Database," Science, 256:1433-1445 (1992)
$\overline{V}$	AJ	Grantham, "Amino Acid Difference Formula to Help Explain Protein Evolution," Science, 185:862-864 (1974)

EXAMINER	/Elly Gerald Stoica/	DATE CONSIDERED	03/15/2007

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

#### CONFIRM NO. ATTY: DOCKET NO. SERIAL NO. FORM PTO-1449 10/658.834 37851-922 7681 APPLICANT CUSTOMER NO. PLEST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE GANTIER et al. 24961 STATEMENT GROUP FILING DATE September 8, 2003 1644

In an application is placed beside the reference number, a copy is NOT provided because the reference was previously cited by or submitted to the PTO IN aprice application that is identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120. 37 C.F.R. § 1,98(d).

\*\* If an asterisk is placed baside the reference number, a copy is NOT provided because pursuant to the USPTO's writer from the 37 CFR 1868/2/(3)? requirement for submitting a copy of each clied U.S. patient and each U.S. patient application publication for all nate and used u.S. patient applications publication from the 37 CFR 1869/2/(3) report and the submitted and the submitted after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1491(6).

# OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/E	GS/	AK	Grantier et al., "The L392V mutation of presentlin 1 associated with autosomal dominant early-onset Alzheimer's disease alters the secondary structure of the hydrophilic loop," Neuroreport, 10(14):3071-3074 (1999)
		AL	Grantier et al., "The pathogenic L392V mutation of presenilin 1 decreases the affinity to glycogen synthase kinase-3 beta," Neurosci Lett., 283(3):217-220 (2000)
		AM	Guyon et al., "Regulation of acetylcholine receptor alpha subunit variants in human myasthenia gravis. Quantification of steady-state levels of messenger RNA in muscle biopsy using the polymerase chain reaction," J Clin Invest., 94(1):16-24 (1994)
		AN	Guyon et al., "Regulation of acetylcholine receptor gene expression in human myasthenia gravis muscles. Evidences for a compensatory mechanism triggered by receptor loss," J Clin Invest., 102(1):249-263 (1998)
		AO	Henikoff et al., "Amino acid substitution matrices from protein blocks," Proc. Natl. Acad. Sci. USA, 89:10915-10919 (1992)
		AP	Hibbert et al., "Human Type 1 Inderferons Differ Greatly in Their Effects on the Proliferation of Primary B Cells," J. Interferon Cytokine Res., 19:309-318 (1999)
		ΔQ	Hoedemaekers <i>et al.</i> , "Differential susceptibility of young and old rat neuromuscular junctions to antibody-mediated AChR degradation in experimental autoimmune myasthenia gravis," <i>Ann. N Y Acad. Sci.</i> , <u>841</u> :550-554 (1998)
		AR	Hoedemaekers et al., "Role of target organ in determining susceptibility to experimental autoimmune myasthenia gravis," J Neuroimmunol., 89(1-2):131-141 (1998)
		AS	Holm et al., "Mapping the Protein Universe," Science, 273:595-602 (1996)
		AT	IUPAC-IUB "Commission on Biochemical Nomenclature Abbreviated Nomenclature of Synthetic Polypeptides (Polymerized Amino Acids)," Biochem., 11:942-944 (1972)
$\neg$	/	AU	IUPAC-IUB "Commission on Biochemical Nomenclature A One-Letter Notation for Amino Acid Sequences Tentative Rules", <i>J. Biol. Chem.</i> , <u>243(13)</u> :3557-3559 (1968)

EXAMINER	/Elly Gerald Stoica/	DATE CONSIDERED	03/15/2007
EV ANAINED.	Initial if citation appointment substitutes		manage with MRER 609; Draw

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

#### SERIAL NO. FORM PTO-1449 ATTY, DOCKET NO. 37851-922 10/658.834 E DST OF PATENTS AND PUBLICATIONS FOR APPLICANT APPLICANT'S INFORMATION DISCLOSURE GANTIER et al. 24961 STATEMENT

7681 CUSTOMER NO. FILING DATE GROUP 1644 September 8, 2003

sk is placed beside the reference number, a copy is NOT provided because the reference was previously cited by or submitted to the If an approximation is placed deside the reference number, a cupy is not promoted declared to the control of the prior application, that is identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120, 37 C.F.R. § 1.98(d).

\*\* If an asterisk is placed beside the reference number, a copy is NOT provided because pursuant to the USPTO's waiver from the 37 CFR 1.98(a)(2)(i) requirement for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1,491(b).

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/EGS/	AV	Johnson et al., "A Structural Basis for Sequence Comparisons. An Evaluation of Scoring Methodologies," J. Mol. Biol., 233:716-738 (1993)
	AW	Jones et al., "The rapid generation of mutation data matrics from protein sequences," Comput. Appl. Biosci., <u>8</u> :275-282 (1992)
	AX	Lu, G., "TOP: a new method for protein structure comparisons and similarity searches," <i>J. Appl. Cryst.</i> , <u>33</u> :176-189 (2000)
	AY	Marrack et al., "Type I Interferons Keep Activated T Cells Alive," J. Exp. Med., 189:521-530 (1999)
	AZ	Masciovecchio et al., "The interactivity between the CFTR gene and cystic fibrosis' would be limited to the initial phase of the disease," Genet Med., 2(2):124-130 (2000)
	ВА	McLachlan, "Tests for Comparing Related Amino-acid Sequences. Cytochrome c and Cytochrome c <sub>551</sub> ," J. Mol. Biol., <u>61</u> :409-424 (1971)
	ВВ	Miyata, "Two Types of Amino Acid Substitutions in Protein Evolution," <i>J. Mol. Evol.</i> , 12:219-236 (1979)
	ВС	Morikawa et al., "Recombinant interferon-a, -β and -y enhance the proliferative response of human B cells," J. Immunol., 139:761-766 (1987)
	BD	Moulian et al., "Respective role of thymus and muscle in autoimmune myasthenia gravis," Ann N Y Acad Sci., 841:397-406 (1998)
	BE	Murzin et al., "SCOP: A Structural Classification of Proteins Database for the Investigation of Sequences and Structures," J. Mol. Biol., 247:536-540 (1995)
	BF	Orengo et al., "CATH - a hierarchic classification of protein domain structures," Structure, 5(8):1093-1108 (1997)
$\sqrt{}$	BG	Pestka et al., "Interferons and Their Actions," Annu. Rev. Biochem., 56:727-777 (1987)

EXAMINER	/Elly Gerald Stoica/	DATE CONSIDERED	03/15/2007	
EVANINED.	Initial if sitation penaldered sub	ether or not citation is in confe-	manaa with MDED	ena. D

line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# 

STATEMENT

		Sheet 6 of /			
ATTY. DOCKET NO.	SERIAL NO.	CONFIRM NO.			
37851-922	10/658,834	7681			
APPLICANT	CUSTOMER NO.				
GANTIER et al.	24961				
FILING DATE	GROUP				

1644

September 8, 2003

# OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/EGS	S/ BH	Piehler et al., "New Structural and Functional Aspects of the Type I Interferon- Receptor Interaction Revealed by Comprehensive Mutational Analysis of the Binding Interface," J. Biol. Chem., 275:40-425-40433 (2000)
	ВІ	Poea et al., "Modulation of acetylcholine receptor expression in seronegative myasthenia gravis," Ann Neurol., 48(5):696-705 (2000)
	BJ	Poëa et al., "Expression of ciliary neurotrophic factor receptor in myasthenia gravis," J Neuroimmunol., 120(1-2):180-189 (2001)
	ВК	Rao, "New scoring matrix for amino acid residue exchanges based on residue characteristic physical parameters." J. Pept. Protein Res., 29:276-281 (1987)
	BL	Raux et al., "The -2 bp deletion in exon 6 of the 'alpha 7-like' nicotinic receptor subunit gene is a risk factor for the P50 sensory gating deficit," Mol Psychletry, 7[9]:1006-1011 (2002)
	ВМ	Raux et al., "A novel presenilin 1 missense mutation (L153V) segregating with early- onset autosomal dominant Alzheimer's disease," <i>Human Mutat.</i> , Report #134, two pages (2000)
	BN	Raux et al., "Dementia with prominent frontotemporal features associated with L113P presenilin 1 mutation," Neurol., 55(10):1577-1578 (2000)
	во	Risler et al., "Amino Acid Substitutions in Structurally Related Proteins A Pattern Recognition Approach," J. Mol. Biol., 204:1019-1029 (1988)
	ВР	Robert et al., "Interferon Induces Proliferation In Leukemic And Normal B-Cell Subsets," Hematol. Oncol., 4:113-120 (1986)
	BQ	Roisman et al., "Structure of the interferon-receptor complex determined by distance constraints from double-mutant cycles and flexible docking," Proc. Natl. Acad. Sci. USA, 98: 13231-13236 (2001)
	, BR	Sali et al., "Definition of General Topological Equivalence in Protein Structures," J. Mol. Biol., 212:403-428 (1990)

EXAMINER /Elly Gerald Stoica/ DATE CONSIDERED 03/15/2007

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>\*</sup> If an asterisk is placed beside the reference number, a copy is NOT provided because the reference was previously cited by or submitted to the PTO in a prior application that is identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120. 37 C.F.R. § 1,98(d).

<sup>\*\*</sup> If an asterisk is placed beside the reference number, a copy is NOT provided because pursuant to the USPTO's water from the 37 CFR 1.96(X)(2)T) requirement for submitting a copy of each citled U.S. patient and each U.S. patient applications publication for all national applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. Sed 37 CFR 1.99(16).

# LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE

		Sheet / of /				
ATTY. DOCKET NO. 37851-922	SERIAL NO. CONFIRM NO. 10/658,834 7681					
APPLICANT GANTIER et al.	CUSTOMER NO. 24961					
FILING DATE September 8, 2003	GROUP 1644					

<sup>\*</sup> If an asterisk is placed beside the reference number, a copy is NOT provided because the reference was previously clied by or submitted to the PTO in a prior application that is identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120. 37 C.F.R. § 1.98(d).

# OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/EGS/	BS	Sanchez et al., "Spastic paraplegia and primary adrenal insufficiency: a case of adrenomyeloneuropathy," <i>Medicina (B Aires)</i> , 48(3):290-296 (1988) (Summary in English)				
	вт	Scheel-Toeller <i>et al.</i> , "Inhibition of a cell apoptosis by IFN-\$\textit{\beta}\$ rapidly reverses nuclear translocation of protein kinase C-\$\textit{\delta}\$," Eur. J. Immunol., 29:2603-2612 (1999)				
	BU	Shindyalov et al., "Protein structure alignment by incremental combinatorial extension (CE) of the optimal path," Protein Engineering, 11(9):739-747 (1998)				
	BV	Smith et al., "Single-step purification of polypeptides expressed in Escherichie coli as fusions with glutathione S-transferase," Gene, 67:31-40 (1988)				
	BW	Stark et al., "How cells Respond to Interferons," Annu. Rev. Biochem., 67:227-264 (1998)				
$\overline{\downarrow}$	Вх	Wakkach <i>et al.</i> , "Expression of acetylcholine receptor genes in human thymic epithelial cells: implications for myasthenia gravis," <i>J Immunol.</i> , <u>157(8)</u> :3752-3760 (1996)				

EXAMINER

/Ellv Gerald Stoica/

DATE CONSIDERED

03/15/2007

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>\*\*</sup> If an asterisk is paced baside the reference number, a copy is NOT provided because pursuant to the USPTO's wavier from the 37 CFR 188(a)(2)(f) requirement for submitting a copy of each cided U.S. patient and each US, spatent application publication for all national applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. Seo 37 CFR 149(file).

JAN 1 4 2004

LIST OF PATENTS AND PUBLICANT'S INFORMATION DISCLOSURE
STATEMENT

		SHEEL I OI I				
ATTY. DOCKET NO. 37851-922	SERIAL NO. 10/658,834 7681					
APPLICANT	CUSTOMER NO.					
GANTIER et al.	24961					
FILING DATE	GROUP					
September 8, 2003	1644					

<sup>\*</sup> If an asterisk is placed beside the reference number, a copy is NOT provided because the reference was previously cited by or submitted to the PTO in a prior application that is identified in the statement and relied upon for an earlier filling date under 35 U.S.C. 120. 37 C.F.R. § 1.98(d).

+ Derwent English language abstract and/or English translation provided.

#### U.S. PATENT DOCUMENTS

EXAMINER (NITIAL	*Ref. Code	DOCUMENT NUMBER			DATE	NAME	CLASS	SUB CLASS	FILING DATE				
/EGS/	Α	0	1	7	5	6	9	4	09/18/03	Vega	435	5	05/04/01

### FOREIGN PATENT DOCUMENTS

	TOTALIST DOCUMENTO														
	EXAMINER INITIAL	*Ref. Code							DATE	COUNTRY	CLASS	SUB CLASS	Transla Yes		
è	/EGS/	В	0	1	8	6	2	9	1	11/15/01	PCT			+	
	/EGS/	С	1	0	2	2	3	3	5	07/26/00	EP				
	/EGS/	D	9	7	3	8	7	2	3	10/23/97	PCT				
	/EGS/	E	9	8	3	2	8	8	0	07/30/98	PCT				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

NONE

EXAMINER

/Elly Gerald Stoica/

DATE CONSIDERED

03/15/2007

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>\*\*</sup> If an abtrisk is placed beside the reference number, a copy is NOT provided because pursuant to the USPTO's waiver from the 37 CFR job(2)(3) represent for submitting a copy of each clied U.S. patient and each U.S. patient application publication for all U.S. national patient applications filled after June 30, 2003 and for all informational applications that have entered the national stage under 35 USC 371 after June 30, 2003. Set 37 CFR 1491(b).

GIFE Sheet 1 of 1 Substitute Form PTO-149 (Modified) U.S. Bepartment of Commerce Patent and Trademark Office Application No. Attorney's Docket No. 17109-012001 / 922 10/658.834 Applicant Rene Gantier et al. List of Patents and Publications for Applicant's Information Disclosure Statement Group Art Unit Filing Date September 8, 2003 1646 (37 CFR §1.98(b))

**U.S. Patent Documents** Publication Filing Date Examiner Desig. Document Initial ID. Number Date Patentee Class Subclass If Appropriate /EGS/ 3,171,820 03/02/65 Volz et al. 521 02/17/64 AA 61 435 5,223,409 06/29/93 Ladner et al. 69.7 03/01/91 AB /EGS/ Wells et al. 435 69.1 06/24/98 AC 6,013,478 01/11/00 /EGS/ 01/09/01 Short 435 69.1 02/04/99 AD 6,171,820 /FGS/ 2003/0224404 12/04/03 Vega et al. 435 6 02/24/03 AE

	Foreign Patent Documents or Published Foreign Patent Applications										
Examiner	Desig.	Document	Publication	Country or				lation			
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No			
/EGS/	AF	01/61344	08/23/01	PCT							
/EGS/	AG	01/025438	04/12/01	PCT							
/EGS/	AH	04/022747	03/18/04	PCT							
/EGS/	AI	04/022593	03/18/04	PCT							
/EGS/	AJ	0 240 224	10/07/87	EP							

	Other Documents (Include Author, Title, Date, and Place of Publication)								
Examiner Initial	Desig. ID	≰ Document							
/EGS/	AK	Kuhn "Structural basis for the positional specificity of lipoxygenases" Prostaglandins and other lipid mediators 62(3): 255-270 (2000)							
/EGS/	AL	Lewerenz et al. "Shared receptor components but distinct complexes for alpha and beta interferons"  J. Mol. Biol. 282(3): 585-599 (1998)							
/EGS/	AM	Manetti et al. "Design and realization of a tailor-made enzyme to modify the molecular recognition of 2-arylpropionic esters by Candida rugosa lipase" Biochem. Biophys. Acta 1543(1): 146-158 (2000)							

Examiner Signature	/Elly Gerald Stoica/	Date Considered
	7Elly Gerald Stolca/	03/15/2007
FXAMINER: Initial if o	itation considered, whether or not citation is in co	informance with MPEP 609: Draw line through citation if not in

06/17/98

03/09/99

12/30/94

Substitute For U.S. Department of Commerce Patent and Trademark Office (Modified) List of Ratents and Polications for Applicant's

(37 CFR §1.98(b))

AW

AX

A 37

6180406

6238884

6269620

01/30/01

05/29/01

07/10/01

Attorney's Docket No. 17109-012001 / 922

September 8, 2003

Application No. 10/658,834

Applicant Rene Gantier, et al. Filing Date

**U.S. Patent Documents** 

Group Art Unit 1646

Filing Date Examiner Desig. Document Publication Patentee Class Subclass If Appropriate Initial ID Number Date /FGS/ 435 320 03/15/85 4797368 01/10/89 Carter et al. AA 435 172.3 10/25/91 AB 5139941 08/18/92 Muzyczka et al. 435 69.7 06/18/93 AC 5571698 11/05/96 Ladner et al. AD 5723323 03/03/98 Kauffman et al. 435 172.3 12/02/94 04/03/95 ΑE 5753500 05/19/98 Shenk et al. 435 320.1 AF 5763239 06/09/98 Short et al. 435 172.1 06/18/96 06/23/98 Huse 435 252.33 05/15/95 5770434 AG 5779434 07/14/98 De Long 415 104 02/06/97 AH 435 11/02/92 5798208 08/25/98 Crea 6 ΑI 514 634 05/22/95 AJ 5798390 08/25/98 Weber et al. 11/17/98 Ladner et al. 435 69.7 04/03/95 AK 5837500 AL 5862514 01/19/99 Huse et al. 702 22 12/06/96 AM 5871974 02/16/99 Huse 435 69.7 12/02/94 AN 6001574 12/14/99 Short et al. 435 6 03/04/98 05/02/00 Short 435 6 08/26/97 AO 6057103 ΑP 6096548 08/01/00 Stemmer 435 440 02/03/97 Stemmer 435 440 05/25/96 AQ 6117679 09/12/00 10/03/00 Vigne et al. 435 325 07/17/97 AR 6127175 10/17/00 435 06/19/98 AS 6132970 Stemmer 6 6156509 12/05/00 Schellenberger 435 6 11/12/97 ΑT 435 440 05/08/98 AU 6165793 12/26/00 Stemmer 01/16/01 Short,et al. 435 6 06/16/98 ΑV 6174673 Stemmer

	_ A1	1 0230330	10//10/01	nusc	1,00		12/30/34
	Foreig	n Patent Do	cuments or P	ublished Foreign	Patent /	Application	ns
Examiner	Desig.	Document	Publication	Country or	Class	Subclass	Translation
Examiner Sign	nature	/Elly Gerald S	toica/	Date Considered 03/15/200	7		
				in conformance with MPEP it communication to applica		e through citation	on if not in

Linea

Short et al.

435 440

435 69.1

435

Substitute For (Modified)	m PTO-144		Department of Commerce ent and Trademark Office		Application No 10/658,83		
		nd Publication on Disclosure	s for Applicant's Statement	Applicant Rene Gantier, et al.			
(37 CFR §1.98	3(b))			Filing Date September 8, 2003	Group Art Uni 1646	t	
						Yes	No
/EGS/	AZ	02/16606	02/28/02	PCT		x	
/EGS/	BA	99/64582	12/16/99	PCT			

(	Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner Desig. Initial ID		Document				
/EGS/	ВВ	Altschul et al., "Basic Local Alignment Search Tool", J. Molec. Biol., 215:403-410 (1990)				
	ВС	Ashktorab et al., "Identification of Nuclear Proteins That Specifically Interact with Adeno- Associated Virus Type 2 Inverted Terminal Repeat Hairpin DNA", Journal of Virology, 63:3034- 3039 (1989).				
	BD	ATCC accession no. VR-1449, "Simian virus 15", (accessed on 09/05/2002)				
	BE	ATCC accession no. VR-645, "Adeno-associated virus 1 deposited as Adeno-associated (satellite) virus type 1", (accessed on 09/05/2002)				
	BF	ATCC accession no. VR-646, "Adeno-associated virus 4 deposited as Adeno-associated virus type 4", (accessed on 09/05/2002)				
	BG	ATCC accession no. VR-680, "Adeno-associated virus 2 deposited as Adeno-associated virus type 2", (accessed on 09/05/2002)				
BH ATCC accession no. VR-681, "Adeno-associated virus 3 deposited as Adeno-associated virus 3", (accessed on 09/05/2002)		3", (accessed on 09/05/2002)				
BI thera		Atkinson et al., "A high-throughput hybridization method for titer determination of viruses and gene therapy vectors", Nucleic Acids Research., 26:2821-2823 (1998)				
BJ Adeno-Associated Virus Rep78 Mutant", Biochemical And Biophysical Research Com		Batchu et al., "Disassociation of Conventional DNA Binding and Endonuclease Activities by an Adeno-Associated Virus Rep78 Mutant", Biochemical And Biophysical Research Communications, 210:717-725 (1995)				
	BK Beaton et al., "Expression from the Adeno-Associated Virus p5 and p19 Promoters Is Nega Regulated in trans by the rep Protein", Journal of Virology, 63:4450-4454 (1989)					
	BL	Beck-Sickinger et al., "Complete L-alanine scan of neuropeptide Y reveals ligands binding to Y1 and Y2 receptors with distinguished conformations", Eur. J. Biochem., 223:947-958 (1994)				
	ВМ	Carrillo et al., "The Multiple Sequence Alignment Problem in Biology", SIAM J. Applied Math, 48:1073-1082 (1988)				
BN Cassinotti et al., "Organization of the Adeno-Associated Virus (AAV) Capsid Gene: Minor Spliced mRNA Coding for Virus Capsid Protein 1", Virology, 167:176-184 (1		Minor Spliced mRNA Coding for Virus Capsid Protein 1", Virology, 167:176-184 (1988)				
	во	Certified English Translation of PCT Patent Application No. WO 01/44809, "Methods for Screening or Assessing the <u>Performance of a Collection of Biological Agents in Living Target Cells</u> , and their Applications." [01/04/2005 EGS]				
	BP	Certified English Translation of PCT Patent Application No. WO 01/86291. "Method for Determining the Titer of Biological Agents in Living Target Cells." 01/04/2005 EGS				
	BQ	Certified English Translation of PCT Patent Application No. WO 02/16606, "Method for Massive Directed Mutagenesis." 02/28/2002 EGS				
$oxedsymbol{psi}$	BR	Chadeuf et al., "Efficient recombinant adeno-associated virus production by a stable rep-cap HeLa cell line correlates with adenovirus-induced amplification of the integrated rep-cap genome", J. Gene Med., 2:260-268 (2000)				

Examiner Signature /Elly Gerald Stoica/	Date Considered 03/15/2007			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				

Substitute Form PTO-1449 U.S. Department of Commerce (Modified) Patent and Trademark Office		Attorney's Docket No. 17109-012001 / 922	Application No. 10/658,834		
		•		160	
		d Publications for Applicant's n Disclosure Statement	Applicant Rene Gantier, et al.		
			Filing Date	Group Art Unit	
(37 CFR §1.9)	8(b))		September 8, 2003	1646	
		ocuments (include Author, 1	Fitle, Date, and Place o	f Publication)	
Examiner	Desig.		Document		
Initial	ID_	Charbord et al. "Normal human granu		venitor cells responsiveness to	
/EGS/	BS	colony stimulating activity' Nouv. Re	ev. Fr. Hematol. 22: 357-370, (1	980)	
	вт	Chejanovsky et al., "Mutagenesis of a	n AUG Codon in the Adeno-As		
	В1	Effects on Viral DNA Replication", J.	Virology, 173:120-128 (1989)		
	BU	Chejanovsky et al., "Mutation of a Co Associated Virus rep Gene Generates			
	ВО	Virology, 64:1764-1770 (1990)	a Dominant Negative Fliendtyp	e for DNA Replication , J.	
		Cullen et al., "Analysis of the Physica	State of Different Human Papi	llomavirus DNAs in	
	BV	Intraepithelial and Invasive Cervical I			
	вw	Davis et al. "High throughput method	d for creating and screening reco	mbinant adenoviruses" Gene	
	5	Therapy 5(8) pp1148-1152 (1998)			
	вх	Davis et al., "Analysis of the Effects of Protein In Vitro", Journal of Virology		Adeno-Associated Virus Repos	
	BY	Davis et al., "Mutational Analysis of	Adeno-Associated Virus Type 2		
	ы	Activity on Partially Single-Stranded			
	BZ	Deng et al., "Site-Directed Mutagenes Analytical Biochemistry, 200:81-88 (		Eliminating a Unique Site",	
		Derwent # 013914049, WPI Acc. No.	2001-308262/200142 for French	h Patent FR 2802645 and PCT	
	۱	Patent Application WO 2001/44809 "	Evaluating the performance of c	omplex biological agents in	
	CA	target cells, for selecting gene therapy			
	L	theoretical curve"			
	CB	Devereux et al., "A comprehensive se Research, 12(I):387-395 (1984)	t of sequence analysis programs	for the VAX", Nucleic Acids	
		Gavin et al., "Charge-to-Alanine Muta	agenesis of the Adeno-Associate	d Virus Type 2 Rep78/68	
	cc	Proteins Yields Temperature-Sensitive	e and Magnesium-Dependent V	ariants", Journal of Virology,	
$oldsymbol{oldsymbol{oldsymbol{eta}}}$		73:9433-9445 (1999)			
	CD	Genbank accession no. NC_001401, 1 (accessed on 09/05/02)	Nucleofide, "Adeno-associated v	irus 2, complete genome",	
	<del> </del>	Genbank accession no. NC 001729, N	Nucleotide, "Adeno-associated v	irus 3. complete genome".	
	CE	(accessed on 09/05/02)			
	CF	Genbank accession no. NC_001829, 1	Nucleotide, "Adeno-associated v	irus 4, complete genome",	
		(accessed on 09/05/2002)			
	CG	Genbank accession no. NC_001863, I (accessed on 09/05/2002)	Nucleotide, "Adeno-associated v	irus 3B, complete genome",	
		Genbank accession no. NC 002077, h	Aucleotide "Adeno associated v	inus I complete genome"	
	CH	(accessed on 09/05/2002)	vacconde, rideno-associates v	nus 1; complete generale ;	
	Gibbs et al., "Rational Scanning Mutagenesis of a Protein Kinase Identifies Functional Regions				
	CI	Involved in Catalysis and Substrate In	teractions", Journal of Biology	Chemistry, 266:8923-8931	
	(1991)				
	CJ Gribskov et al., "Sigma factors from E. cóli, B. subtilis, phage SP01, and phage T4 are homologous proteins", Nucleic Acids Research, 14:6745-6763 (1986)				
1/2		Hermonat et al., "Genetics of Adeno-		Preliminary Characterization of	
	CK	Adeno-Associated Virus Type 2 Muta			
Examiner Sign	nature		Date Considered		
		/Elly Gerald Stoica/	03/15/2007		
EXAMINER:	Initial if citation	on considered, whether or not citation is in co	onformance with MPEP 609; Draw lin	e through citation if not in	

				Sheet <u>4</u> of <u>6</u>
Substitute For (Modified)	m PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17109-012001 / 922	Application No. 10/658,834
List of P	atents and	d Publications for Applicant's n Disclosure Statement	Applicant Rene Gantier, et al.	
			Filing Date September 8, 2003	Group Art Unit 1646
(37 CFR §1.9	Othor De	ocuments (include Author,		
Examiner	Desig.	ocuments (include Author,	inte, Date, and Flace o	r ublication)
Initial	ID.		Document	•
/EGS/	· CL	Hermonat, P.L., "Down-regulation of adeno-associated virus Rep78", Cance		o-oncogene promoters by
	СМ	Hill A.V., "The possible effects of the dissociation curves", Proceedings of t	aggregation of the molecules of	
	CN	Hill et al., "XLVII. The Combination Monoxide", I. Biochem. J., 7:471-480	(1913)	
	со	Horer et al., "Mutational Analysis of A Heterologous and Homologous Promo	oters", Journal of Virology, 69:5	485-5496 (1995)
	CP	Im et al., "Partial Purification of Ader Biochemical Characterization", Journ	al of Virology, 66:1119-1128 (19	992)
	CQ	Im et al., "The AAV Origin Binding F Endonuclease with DNA Helicase Ac		lent Site-Specific
	CR	Kechli et al., "Expression of the Huma Inhibits HIV-1 Replication", Human C	Genè Therapy, 9:587-590 (1998)	
	cs	Kyostio et al., "Analysis of Adeno-As Their Abilities To Negatively Regulat 68:2947-2957 (1994)	te AAV p5 and p19 mRNA Leve	els", Journal of Virology,
	ст	Kyostio et al., "Identification of Muta Dominant-Negative For DNA Helicas Communications, 220:294-299 (1996)	se Activity", Biochemical and Bi	
	CU	Kyostio et al., "Negative Regulation of both the P5 Rep Binding Site and the Journal of Virology, 69:6787-6796 (1	Consensus ATP-Binding Motif (	of the AAV Rep68 Protein",
	cv	Marcello et al., "Adeno-Associated V 16 E2 Recruitment of the Transcriptio (2000)	irus Type 2 Rep Protein Inhibits onal Coactivator p300*, Journal c	Human Papillomavirus Type of Virology, 74:9090-9098
	cw	Matsushita et al., "Localization of vor and Botrocetin by Charged-to-Alanine 275:11044-11049 (2000)	e Scanning Mutagenesis", Journa	al of Biology Chemistry,
	сх	McCarty et al., "Analysis of Mutation Vitro", Journal of Virology, 66:4050-	4057 (1992)	
	CY	Mendelson et al., "Identification of the Antibodies to a Synthetic Oligopeptid	e", Journal of Virology, 60:823-	832 (1986)
	cz	Mittereder et al., "Evaluation of the C Therapy", Journal of Virology, 70:749	98-7509 (1996)	
	DA	Moullier et al., "Comparative binding lymphocytes" European J. Biochem.	161: 197-204 (1986)	
	DB	Needleman et al., "A General Method Sequence of Two Proteins", Journal o	f Molecular Biology, 48:443-45	3 (1970)
	DC	Nelson et al., "Characterization of Div Whole-Virion Dot-Blot Method", Hu	m. Gene Ther., 9:2401-2405 (19	98)
V	DD	Ni et al., "In Vitro Replication of Ade 1138 (1994)	no-Associated Virus DNA", Jou	mal of Virology, 68:1128-
Examiner Sign	nature	(Ell 0 110) : 1	Date Considered	

Examiner Signature

/ Elly Gerald Stoica/

EXAMINER: Initial if classion considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Substit (Modifi		m PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17109-012001 / 922	Application No. 10/658,834	
Lis			d Publications for Applicant's n Disclosure Statement	Applicant Rene Gantier, et al.		
				Filing Date	Group Art Unit 1646	
(37 CF	R §1.98	3(b))	ocuments (include Author, 1	September 8, 2003		
Exam		Desig.	ocuments (include Author,	itte, Date, and Place o	i Fublication)	
Init		ID ID		Document		
/E	3S/ I	DE	Owens et al., "Adeno-Associated Viru Systems: Wild-Type and Dominant-N Journal of Virology, 184:14-22 (1991)	legative Mutant Proteins Bind to		
		DF	Owens et al., "Identification of a DNA Associated Virus Rep Proteins," J. Vi	rology, 67(2):997-1005 (1993)		
		DG	Owens et al., "In Vitro Resolution of Rep Protein Is Inhibited by a Dominar 1240 (1992)			
		DH	Pearson et al., "Improved tools for bid 85:2444-2448 (1988)	• • • • • • • • • • • • • • • • • • • •		
		DI	Press Release 10; "Nautilus Biotech a agreement for rAAV high-producer of http://www.nautilusbiotech.com/news	ells"; Paris- January 11, 2002;	, <del>-</del>	
		DJ	Press Release 11; "Nautilus Biotech g applications in directed evolution and 2002; http://www.nautilusbiotech.com	ranted patent covering molecula functional genomics target iden	r fitness analysis with key tification"; Paris- February 6,	
		DK	Press Release 6; "Nautilus Biotech S. September 14, 2001; http://www.naut (2/28/02)	ilusbiotech.com/news-pressrelea	se6.php3, accessed on	
		DL	Press Release 7; "Nautilus Biotech op Paris- September 21, 2001; http://www (2/28/02)	w.nautilusbiotech.com/news-pre	ssrelease7.php3, accessed on	
		DM	Ropp et al., "Aequorea Green Fluores 21:309-317 (1995)			
		DN	Ruffing et al., "Mutations in the carbo viral infectivity: lack of an RGD integ	xy terminus of adeno-associated grin-binding motif", J. Gen. Viro	l virus 2 capsid proteins affect · l., 75:3385-3392 (1994)	
		DO	Ryan et al., "Sequence Requirements Repeats", Journal of Virology, 70:154		no-Associated Virus Terminal	
		DP	Salvetti et al., "Factors Influencing Re Ther., 20:695-706 (1998)	ecombinant Adeno-Associated V	'irus Production", Hum. Gene	
		DQ	Samulski et al., "A Recombinant Plas Genome Can Be Excised In Vitro and 61:3096-3101 (1987)	Its Use To Study Viral Replica	tion", Journal of Virology,	
		DR.	Schumann et al. "Intracellular Ca2+ protein phosphatase type 2B and by d 503-513 (1997)	irect interaction with the channe	l", J. General Physiology 110:	
		DS	Schwartz et al., "Matrices for Detecting Structure, National Biomedical Resea	rch Foundation, pp. 353-358 (19	778)	
		DT	Smith et al., "Comparison of Bioseque			
$\Lambda$	/	DU	Srivastava et al., "Nucleotide Sequence Genome", Journal of Virology, 45:55		o-Associated Virus 2	

Examiner Signature	/Elly Gerald Stoica/	Date Considered 03/15/2007				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in						

Substitute Form PTO-144 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17109-012001 / 922	Application No. 10/658,834		
		d Publications for Applicant's n Disclosure Statement	Applicant Rêne Gantier, et al.			
			Filing Date September 8, 2003	Group Art Unit 1646		
(37 CFR §1.9)		ocuments (include Author,				
Examiner	Desig.	ocuments (include Author,	Title, Date, and I lace c	i i abilcation,		
Initial	ID.		Document			
/EGS/	DV	Tessier et al., "Characterization of Ad Amplification of Integrated Adeno-A: 75:375-383 (2001)				
	DW	Urabe et al., "Charged-to-Alanine Sca Associated Virus Type 2 Rep78 Prote	in", Journal of Virology, 23:268	32-2693 (1999)		
	DX	Walker et al., "Mutational Analysis of Motifs", Journal of Virology, 71:6996	5-7004 (1997)	· · ·		
	DY	Walker et al., "Mutational Analysis of Critical Residues Necessary for Site-5 2730 (1997)	f the Adeno-Associated Virus R Specific Endonuclease Activity"	cp68 Protein: Identification of Journal of Virology, 71:2722		
	DZ	Watson et al., "Molecular Biology of (1987)	the Gene", 4th Ed., The Benjam	un/Cummings Pub. Co., p. 224		
	EA	Weitzman et al., "Interaction of Wild- Proteins on AAV Hairpin DNA", Jour				
	EB	Weitzman et al., "Recruitment of Wil- Adenovirus Replication Centers", Jou	rnal of Virology, 70:1845-1854	(1996)		
EC Wu et al., "Mutational Analysis of the Adeno-Associated Virus Type 2 (AAV2) Capsid Gene ar Construction of AAV2 Vectors with Altered Tropism", J. Virol., 74:8635-8647 (2000)						
$\top$	ED Xiao et al., "Construction and Screening of a Multi-Point Site-Specific Mutant Library of Subtili E with a Set of Oligonucleotides", Science in China (Series C) 40(4):337-344 (1997)					
	EE	Yang et al., "Analysis of the Termina Replication Proteins", Journal of Viro		utant Adeno-Associated Virus		
	EF	Yang et al., "Mutational Analysis of t 66:6058-6069 (1992)		Gene", Journal of Virology,		
$\overline{\mathbf{V}}$	EG	Voon et al., "Amino-Terminal Domain Exchange Redirects Origin-Specific Interactions of Adeno- Associated Virus Rep78 In Vitro", Journal of Virology, 75:3230-3239 (2001)				

Examiner Signature /Elly Gerale	d Stoica/ Date Considered 03/15/2007	
	ether or not citation is in conformance with MPEP	

Application No. Substitute Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. (Modified) 17109-012001 / 922 10/658.834 Apolicant ist of Patents and Publications for Applicant's Rene Gantier et al. Information Disclosure Statement Fillog Date Group Art Unit September 8, 2003 1646 **U.S. Patent Documents** Publication Filing Date Examiner Desig. Document Class Subclass Initial ID Number Date € Patentee If Appropriate

none

Examiner	Desig.	Document	Publication	Country or			Trans	lation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
/EGS/	AA	01/25253	04/12/01	PCT				
	AB	01/32844	05/10/01	PCT				
	AC	95/23813	09/08/95	PCT				
	AD	98/13487	04/02/98	PCT				
	AE	99/07833	02/18/99	PCT				
$\neg V$	AF	99/11764	03/11/99	PCT				

	Other Documents (include Author, Title, Date, and Place of Publication)				
Examiner	Desig.				
Initial	ID	Document			
		none			

Examiner Signature Date Considered /Elly Gerald Stoica/ 03/15/2007 EXAMINER: Initial if citation considered, whether or not ditation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office

Attorney's Docket No. 17109-012001 / 922 Application No. 10/658,834

Group Art Unit

1646

List of Parents and Publications for Applicant's Information Disclosure Statement

Applicant Rene Ga Filing Date

Rene Gantier et al.

(37 CFR §1.98(b))

September 8, 2003

				U.S. Pate	nt Documents			
						Filing Date If Appropriate		
	/EGS/	AA	5017371	05/21/91	Cummins	424	85.6	01/06/88
i	/EGS/	AB	5215741	06/01/93	Young et al.	424	85.7	10/30/90
	/EGS/	AC	6036949	03/14/00	Richards et al.	424	85.7	03/05/98
	/EGS/	AD	6506377	01/14/03	Cummins et al.	424	85.7	09/27/01

		Foreign Patent Documents or Published Foreign Patent Applications						
	Examiner	Desig.	Document	Publication	Country or	1		Translation
- 1	Initlal	ם	Number	Date	Patent Office	Class	Subclass	Yes No
			none					

	Other Documents (include Author, Title, Date, and Place of Publication)								
Examiner	Desig.								
Initial	ID	♣ Document							
/EGS/	AE	Kim, S. and H. Moon, "Purification and Characterization of Intracellular and Extracellular Inulase from Kluyveromyces marxianus," Journal of the Korean Agricultural Chemical Society 30(2): 169-							
		178 (June, 1987)							

Examiner Signature /Elly Gerald Stoica/	Date Considered 03/15/2007
EXAMINER: Initial if citation considered, whether or not citation is in co	

Substitute Form PTO-1449 U.S. Geral (Modified) Page 11 a

Pepartment of Commerce on and Trademark Office Attorney's Docket No. 17109-012001 / 922

Application No. 10/658.834

List of Patents and Publications for Applicant's Information Disclosure Statement

Rene Gantier et al.

Applicant

Group Art Unit 1646

(37 CFR §1.98(b))

September 8, 2003
U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Ciass	Subclass	Filing Date If Appropriate
/EGS/	AA	20020081574	6/27/2002	Collett et al.			
/EGS/	AB	20050202438	9/15/05	Gantier et al.			
/EGS/	AC	5925565	7/20/1999	Berlioz et al.			

	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or			Trans	lation
Initial	ID D	Number	Date	Patent Office	Class	Subclass	Yes	No
		none						

	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner Initial	Desig. ID	Document
		none

Examiner Signature /Elly Gerald Stoica/

Date Considered

03/15/2007

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

JUL 1 2 2006

Substitute Form PTO-1449 (Modified)

(37 CFR §1.98(b))

U.S. Department of Commerce Patent and Trademark Office Attomey's Docket No. 17109-012001 / 922 Application No. 10/658,834

List of Patents and Publications for Applicant's Information Disclosure Statement

Rene Gantier et al.

Filing Date Group Art Unit
September 8, 2003 1631

**U.S. Patent Documents** Examiner Desig. Document Publication Filing Date Initial Number Class Subclass If Appropriate ID Date Patentee /EGS/ AA 2006-0020116 01/26/06 Gantier et al. /FGS/ AB 2006-0020396 01/26/06 Gantier et al. /FGS/ AC 2006-0094655 05/04/06 Guyon et al. /EGS/ 03/17/92 Ladner et al. AD 5,096,815

	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or			Trans	lation
Initial	ID	Number	Date	Ratent Office	Class	Subclass	Yes	No
		none		1				

(	Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document						
/EGS/	AE	Alam et al., "Expression and purification of a mutant human growth hormone that is resistant to proteolytic cleavage by thrombin, plasmin and human plasma in vitro," Journal of Biotechnology 65: 183-190 (1998)						
/EGS/	AF	Chiang et al., "In vivo genetic analysis of bacterial virulence," Annu. Rev. Microbiol. 53: 129-154 (1999)						
/EGS/	AG	Zlauddin et al., "Microarrays of cells expressing defined cDNAs," Nature 411: 107-110 (2001)						

Examiner Signature /Elly Gerald Stoica/

Date Considered

03/15/2007

Sheet 1 of 1

	1351	e/					
Substitute For (Modified)	m PTO 144	S. De Paten	partment of Commerce t and Trademark Office	Attorney's Docket No. 17109-012001 / 9	922	Application No 10/658,834	
		d Publications n Disclosure St		Applicant Rene Gantier et al.			
(37 CFR §1.98	3(b))			Filing Date September 8, 200	)3	Group Art Unit 1631	
		- 8	U.S. Patent	Documents			
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	попе					

	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or			Trans	slation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	AB	none						

	Other Documents (Include Author, Title, Date, and Place of Publication)								
Examiner	Desig.								
Initial	_ ID	Document							
/EGS/	AC	Giver et al. "Directed Evolution of a Thermostable Esterase," PNAS (1998) 95: 12809-12813							
/EGS/	AD	Persson et al. "Virus-Receptor Interaction in the Adenovirus System: Characterization of the Positive Cooperative Binding of Virions on HeLa Cells," Journal of Virology (1985) 54: 92-97							

Examiner Signature /Elly Gerald Stoica/ 03/15/2007 EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

		Sheet _1_ or _4	
Substitute Form PTO	Attorney's Docket No. 17109-012001/922	Application No. 10/658,834	
Information Disclosure Statement by Applicant	Applicant Rene Gantier et al.		
(Use several sheets if necessary)	Filing Date Sentember 8, 2003	Group Art Unit 1631	

OCT 2 0 2006

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/EGS/	AA	2004/0002474	1/1/2004	Heinrichs et al.			
	AB	2004/0082026	4/29/2004	DeFrees et al.			
	AC	2004/0219131	11/4/2004	Patten et al.			
	AD	2004/0230040	11/18/2004	Cox, George N.			
	AE	2005/0019871	1/27/2005	Lee et al.			
	AF	2005/0026834	2/3/2005	Cox et al.			
	AG	2005/0058621	3/17/2005	Cox, George N.			
	AH	4,503,035	3/5/1985	Pestka et al.			
	A1	4,678,751	7/7/1987	Goeddel, David V.			
	AJ	4,820,638	4/11/1989	Swetly et al.			
	AK	5,198,345	3/30/1993	Gwynne et al.			
	AL	5,441,734	8/15/1995	Reichert et al.			
	AM	5,460,956	10/24/1995	Reichert et al.			
	AN	5,602,232	2/11/1997	Reichert et al.			
	AO	5,710,027	1/20/1998	Hauptmann et al.			
	AP	6,165,458	12/26/2000	Foldvari et al.			
	AQ	6,204,022	3/20/2001	Johnson et al.			
	AR	6,299,870	10/9/2001	Pestka, Sidney			
	AS	6,300,474	10/9/2001	Pestka, Sidney			
	AT	6,372,218	4/16/2002	Cummins, Joseph M.			
	AU	6,455,253	9/24/2002	Patten et al.		-	
	ΑV	6,608,183	8/19/2003	Cox III, George N.			
	AW	6,610,830	8/26/2003	Goeddel et al.			
	AX	6,815,184	11/9/2004	Stomp et al.			
1/	AY	6,846,844	11/27/2003	Tang, Pingwah			
V	AZ	6.897.297	5/24/2005	Pepinsky et al.			

		k			
Examiner Signature	/Elly Gerald Stoica/	Date Considered 03/15/2007			
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

			0.1.00t 01
Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17109-012001/922	Application No. 10/658,834
by A	closure Statement	Applicant Rene Gantier et al.	*
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date September 8, 2003	Group Art Unit 1631

Ť

	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or			Trans	lation
Initial	ID D	Number	Date	Patent Office	Class	Subclass	Yes	No ∵
/EGS/	BA	0 051 873 BI	9/27/1989	EP				
	BB	0 I 46 903 A2	7/3/1985	EP				
	BC	0 240 224 A2	10/7/1987	EP				
	BD	0 625 991 BI	4/28/1999	EP				
	BE	02/085941 A2	10/31/2002	PCT	T			
	BF	2004/019856 A2	3/11/2004	PCT				
	BG	2004/031352 A2	4/15/2004	PCT				
V	ВН	2004/074486 A2	9/2/2004	PCT				

	Other Documents (include Author, Title, Date, and Place of Publication)				
Examiner	Desig.				
Initial	IU.	Document			
		Scope of Inteferon Gamma Agreement," PR News Wire, <a href="http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=104&amp;STORY=/www/story/06-15-2000/0001244415&amp;EDATE">http://www.story/06-15-2000/0001244415&amp;EDATE</a> (accessed on 10/18/2005), 2 pages.			
	BJ	"Low Dose Oral Interferon Alpha- Our Lead Product Candidate," Amarillo Biosciences, http://www.amarbio.com/03productcandidate.html (accessed on 10/18/2006), 2 pages.			
	ВК	"More Facts on Our Lead Product Candidate – Low Dose Oral Interferon Alpha," Amarillo Biosciences, http://www.amarbio.com/04.html (accessed on 10/18/2006), 2 pages.			
	BL	"Amarillo Biosciences (AMAR) to Receive Patent on Solid Dosage Forms of Interferon; Company Also Obtains Private Funding Through Private Placement," PR News Wire, http://www.acor.org/drugs/pipeline/news/parsed/7795515.news (accessed on 10/20/2006), 2 pages.			
	ВМ	"LDO-IFNa Ingredients," http://www.angelfire.com/indie/bdchat/IFNaOfficialRpt.html (accessed on 3/30/2005), 1 page.			
	BN	Adolf et al., "Natural human interferon-α2 is O-glycosylated," Biochem J. 276: 511-518 (1991)			
	во	Allen, G. and K.H. Fantes, "A family of structural genes for human lymphoblastoid (leukocyte-type) interferon," Nature 287: 408-11 (1980)			
	BP	Balk et al., "Biology of prostate-specific antigen," J Clin Oncology 21:383-391 (2003)			
	BQ	Bielharz et al., "Antiviral and Antiproliferative Activities of Interferon-α <sub>1</sub> : The Role of Cysteine Residues," J. Interferon Research 6:677-685 (1986)			
V	BR	Brod, S.A., "Ingested type I interferon: state of the art as treatment for autoimmunity,"  Exp Biol Med 227(11):981-8 (2002)			

Examiner Signature	/Elly Gerald Stoica/	03/15/2007				
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						
		Substitute Disclosure Form (PTO-1449)				

			Sheet <u>3</u> of <u>4</u>	
Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce	Attorney's Docket No.	Application No.	
	Patent and Trademark Office	17109-012001/922	10/658,834	
Information Disclosure Statement by Applicant		Applicant Rene Gantier et al.		
(Use several s	heets if necessary)	Filing Date	Group Art Unit	
(37 CFR §1.98(b))		September 8, 2003	1631	

· ....

Examiner	Desig.	ocuments (include Author, Title, Date, and Place of Publication)		
Initial	ID	Document		
/EGS/	BS	Brod et al., "Oral administration of human or murine interferon alpha suppresses relapses and modifies adoptive transfer in experimental autoimmune encephalomyelitis," J Neuroimmunol 58(1):61-9 (1995)		
	BT	Déry et al., "Proteinase-activated receptors: novel mechanisms of signaling by serine proteases,"  Am. J. Physiol 274:C1429-C1452 (1998)		
	BU	Di Marco et al., "Mutational Analysis of the Structure-Function Relationship in Interferon-α,"  Biochem Biophys Res Comm 202: 1445-1451 (1994)		
	BV	Fink et al., "Biological Characterization of Three Novel Variants of IFN-α 3 Produced by Human Placental Trophoblast," Placenta 22: 673-680 (2001)		
÷	вw	Goeddel et al., "Human leukocyte interferon produced by E. coli is biologically active," Nature 287- 411-416 (1980)		
	вх	Hu et al., "Human IFN-a Protein Engineering: The Amino Acid Residues at Positions 86 and 90 are Important for Antiproliferative Activity," J. Immunol. 167: 1482-1489 (2001)		
	BY	Khurshudian, A.V., "A pilot study to test the efficacy of oral administration of interferon-alpha lozenges to patients with Sjogren's syndrome," Oral Surg Oral Med Oral Pathol Oral Radiol Endoa 95(1):38-44 (2003)		
	BZ	Lawn et al., "DNA sequence of a major human leukocyte interferon gene," PNAS 78: 5435-9 (1981		
		Lee et al., "Interferon-a <sub>2</sub> Variants in the Human Genome," J. Interferon and Cytokine Res. 15: 341-349 (1995)		
	СВ	Masci et al., "New and modified interferon alfas: preclinical and clinical data," Curr. Oncol. Rep. 5: 108-13 (2003)		
	CC	NCBI Core Nucleotide AY255838 09/27/2006 EGS		
	CD	NCBI Protein AAA00949 09/27/2006 EGS		
- 1	CE	NCBI Protein AAA52715 09/27/2006 EGS		
	CF	NCBI Protein AAA55468 09/27/2006 EGS		
- 1	CG	NCBI Protein AAASSS19 09/27/2006 EGS		
	СН	NCBI Protein AAA56191 09/27/2006 EGS		
	CI	NCBI Protein AAA75653 09/27/2006 EGS		
	Cı	NCBI Protein AAA94038 09/27/2006 EGS		
	СК	NCBI Protein AAB56781 09/27/2006 EGS		
	CL	NCBI Protein AAL01040 09/27/2006 EGS		
	СМ	NCBI Protein AAP20099 09/27/2006 EGS		
	CN	NCBI Protein AAR45816 09/27/2006 EGS		
V	со	NCBI Protein AAR47404 09/27/2006 EGS		
•	CP	NCBI Protein AAR47412 09/27/2006 EGS		
xaminer Sig	nature	/Elly Gerald Stoica/ Date Considered 03/15/2007		

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 U.S. Department of Commerce (Modified) U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 17109-012001/922	Application No. 10/658,834
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Rene Gantier et al.	
		Filing Date September 8, 2003	Group Art Unit 1631

	Other D	ocuments (include Author, Title, Date, and Place of Publication)				
Examiner Initial	Desig.	Document				
/FGS/	CQ	NCBI Protein AAW12828 09/27/2006 EGS				
	CR	NCBI Protein CAA00410 09/27/2006 EGS				
	CS	NCBI Protein CAC88666 09/27/2006 EGS				
	CT	NCBI Protein CAD29057 09/27/2006 EGS				
	CU	NCBI Protein CAI94176 09/27/2006 EGS				
	cv	NCBI Protein CAI94186 09/27/2006 EGS				
	cw	NCBI Protein P01563 (SwissProt) 09/27/2006 EGS				
	сх	Nisbet et al., "Single Amino Acid Substitutions at Conserved Residues of Human Interferon-a Can Effect Antiviral Specific Activity." Biochemistry International 11: 301-309 (1985)				
	CY	Palmieri et al., "Interferon alpha-2b at low doses as long-term antiangiogenic treatment of a metastatic intracranial hemangioendothelioma: a case report," Oncol Rep. 7: 145-9 (2000)				
	CZ	Piehler, J. and G. Schreiber, "Mutational and Structural Analysis of the Binding Interface between Type I Inteferons and their Receptor Ifnar2," J. Mol. Biol. 294: 223-237 (1999)				
	DA	Radhakrishnan et al., "Zinc mediated dimer of human interferon-α <sub>2b</sub> revealed by X-ray crystallography," Structure 4: 1453-63 (1996)				
	DB	Stennicke, H.R. and G.S. Salvesen, "Catalytic properties of the caspases," Cell Death and Differentiation 6:1054-1059 (1999)				
	DC	Streuli et al., "At Least Three Human Type a Interferons: Structure of a2," Science 209: 1343-7 (1980)				
	DD	Takayama et al., "Effects of oral administration of interferon-alpha on antibody production in mice with induced tolerance," J Interferon Cytokine Res. 19(8):895-900 (1999)				
	DE	Uzé et al., "α and β Interferons and Their Receptor and Their Friends and Relations," J Interferon and Cytokine Res 15: 3-26 (1995)				
V	DF	Vogelmeier et al., "Use of secretory leukoprotease inhibitor to augment lung antineutrophil elastase activity," Chest 110:261S-266S (1996)				

Examiner Signature /Elly Gerald Stoica/	Date Considered 03/15/2007				
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					